

Pediatric Clerkship

Uniformed Services University of the Health Sciences

Round 8 Class of 2007

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Welcome to your pediatric rotation...

...this is the only pediatric rotation you will be required to take during the pursuit of war medical degree...Pediatrics?

What would you like to accomplish during this six week block?



Plan for Day One

- Overview/paperwork
- **◆ Introductions**
- Video
- **◆ Tour NNMC**
- Lunch
- **◆ Tour WRAMC**



Sir William Osler

"The practice of medicine is an art, not a trade; a calling, not a business; a calling in which your heart will be exercised equally with your head."

"One of the first duties of the physician is to educate the masses not to take medicine."



Orientation

Goals

- Define the requirements and expectations of your six-week core pediatric clerkship
- Familiarize you with the student coordinators and clinical teaching sites



Clerkship Goals

- You will have the opportunity to learn the unique characteristics of the pediatric patient visit, regardless of eventual specialty direction
- This rotation is directed toward the student who will not make Pediatrics their specialty focus



Clerkship Objectives

- The curriculum will concentrate on core fundamentals in pediatrics
- During this clerkship, you will:
 - Expand your fund of *knowledge* on unique pediatric pathophysiology
 - Acquire the skills necessary to reach appropriate diagnostic and therapeutic conclusions, and to communicate them
 - Develop the *attitudes* involved in understanding the unique relationship with a pediatric patient and family
 - Become competent in history-taking and examination of infants, children and adolescents



Where do I go?

- Outpatient Pediatrics (3 of 6 weeks)
 - General Pediatrics: NNMC, WRAMC, MGMC
 - Adolescent Medicine
 - Specialty Pediatrics
- Inpatient Pediatric Ward (2 of 6 weeks)
- Newborn Medicine (1 of 6 weeks)
 - Inpatient Nursery Service
 - Initial Outpatient Well Child Care

Schedule available at: http://www.pedsedu.com/student_schedules.htm



Uniformed Services University

Third Year Core Pediatric Clerkship

Block 8 (May 8 - Jun 16, 2006)

Student Name	8 May	15 May	22 May	29 May	5 Jun	12 Jun
Blacker	Ward	Ward	Nursery	MG Clinic	WR Clinic	NN Clinic
Camacho	NN Clinic	NN Clinic	Ward	Ward	Nursery	MG Clinic
Garner	Ward	Ward	MG Clinic	Nursery	NN Clinic	WR Clinic
McKenzie	MG Clinic	NN Clinic	Nursery	WR Clinic	Ward	Ward
Stuart	NN Clinic	Nursery	Ward	Ward	MG Clinic	NN Clinic
Trask	NN Clinic	MG Clinic	NN Clinic	Nursery	Ward	Ward
Weatherwax	WR Clinic	Nursery	Ward	Ward	NN Clinic	NN Clinic
Wells	Ward	Ward	WR Clinic	NN Clinic	Nursery	NN Clinic
Zizak	Nursery	WR Clinic	NN Clinic	NN Clinic	Ward	Ward
Blevins	Madigan	Madigan	Madigan	Madigan	Madigan	Madigan
Columbo	Madigan	Madigan	Madigan	Madigan	Madigan	Madigan
Jones	Madigan	Madigan	Madigan	Madigan	Madigan	Madigan
De Cecchis	Portsmouth	Portsmouth	Portsmouth	Portsmouth	Portsmouth	Portsmouth
Ugochukwu	Portsmouth	Portsmouth	Portsmouth	Portsmouth	Portsmouth	Portsmouth
Baldwin	San Diego					
Johnson	San Diego					
Duryea	Tripler	Tripler	Tripler	Tripler	Tripler	Tripler
Helms	Tripler	Tripler	Tripler	Tripler	Tripler	Tripler
Cheng	Wilford Hall					
Malamung	Wilford Hall					
Russell	Wilford Hall					

Current as of 25 Apr 2006



Call Requirements

- Outpatient weeks -- no call
 - Take advantage to READ!
- Inpatient Ward -- 2 calls total:
 - 1 weekday (M-F)
 - 1 weekend (Sat or Sun)
- Nursery
 - 1 weekday call (will get to see NICU)
 - Assist with work rounds 1 day on weekend



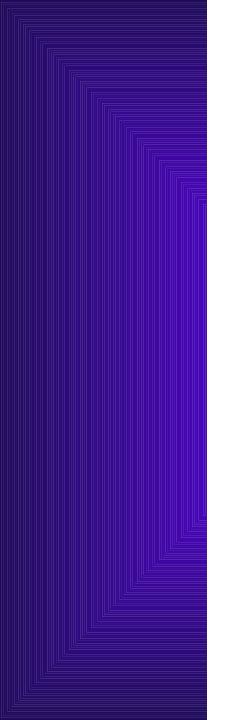
Tools and Resources

- Student Binder and Handbook
- Study Guide (printed curriculum included)
 - Framework for learning
- Issued Textbooks
 - Pediatrics for Medical Students (w/CD)
 - Nelson Essentials of Pediatrics
 - Harriet Lane Handbook



More Resources

- Case-Based Interactive Learning Scenarios (CBILS)
- Neonatal Resuscitation Skills Station
 (1st CBILS session, starts at 1100)
- AM Report and Continuity Clinic Lectures
- Competency Checklist (In binder right side)
- **NCA Contact sheet**



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Medical Student Pediatric Clerkship Competency-based Checklist

Site:

Block:

The following checklist reflects the competencies expected at the		
clerkship. These competencies have been developed from the Co	ouncil on Medical Student Education in	l
Pediatrics (COMSEP) Curriculum, then modified, adopted, and in	mplemented by the USUHS Pediatric	
Clerkship. Signing of these competencies by your preceptors sig	gnifies that they were observed and	

performed as expected at the level of a third-year medical student.

Student Name:

- Please have the staff attending physician and/or resident sign in the corresponding boxes below as they are accomplished competently under supervision.
- If the staff attending physician and/or resident documents "Not Competent" for any
 competency, it is your (the student's) responsibility to seek feedback on how to attain
 competency and subsequently demonstrate it.
- All items require a signature in the competent column prior to completion of the clerkship.

Statut Committee	Not	C
Student Competency Reports and documents a history and physical exam on pediatric patient/parent with an acute illness or injury	Competent	Competent
Reports and documents an <i>infant</i> health maintenance history and physical exam, to include (developmental history & dietary history)		
Reports and documents history and physical exam on $school$ - $aged$ health maintenance visit		
Reports and documents an $adolescent H\&P$, including a HEADSS assessment.		
Effectively delivers health maintenance anticipatory guidance using age-appropriate checklist		
Demonstrates appropriate patient education/information giving to include follow-up care		
Accurately plots and explains a growth chart		
Accurately calculates IV fluid replacement and maintenance fluids		
Distinguishes between an ill and non-ill child		
Demonstrates a complete physical exam on a newborn		

HAND THIS CHECKLIST TO YOUR PRECEPTOR FOR SIGNATURE

REVIEW THIS FORM WITH YOUR SITE DIRECTOR AT MID-ROTATION AND END-OF-CLERKSHIP FEEDBACK SESSION



Medical Student Pediatric Clerkship

- Competency-based Checklist Assurance of Meeting Minimal Level of Competency in Key Goals
- Guide Educational Experience
- You are responsible for completion
 - Including seeking mid-rotation feedback session
- Turn them into <u>Site Director</u>
 when rotation completed



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initials (the student's) next to the subject matter exp	erienced during the cierasmp.
UTI/VUR	R/O Serious Bacterial Illness
Asthma	Constipation
Gastroenteritis	Attention Deficit Disorder
Otitis Media	Childhood Exanthems
Meningitis	Atopic Dermatitis
Failure to Thrive	Tanner Staging
ALTE	GER
Seizure Disorders	Acute Lymphoblastic Leukemia
Cystic Fibrosis	Respiratory Distress
Sickle Cell Disease	Diabetes Mellitus
Newborn metabolic screening	Fluid & Electrolytes Management
Newborn Nutrition	Bilious & non-bilious vomiting (newborn)
Jitteriness and seizures in a newborn	
Respiratory distress and central cyan	osis
Preceptor's Signature	Student's Signature
Preceptor's Signature END-ROTATION FEEDBACK SESSION	-
	v
END-ROTATION FEEDBACK SESSION	Student's Signature RATE REFLECTION OF MY
END-ROTATION FEEDBACK SESSION Preceptor's Signature ***I CERTIFY THIS TO BE AN ACCUS	Student's Signature RATE REFLECTION OF MY
***I CERTIFY THIS TO BE AN ACCULOUTPATIENT CLERKSHIP EXPERIEN Student's Signature REVIEW THIS FORM WITH YOUR SITE I	Student's Signature RATE REFLECTION OF MY NCE. *** Date Date Director At Mid-Rotation and End-of-
***I CERTIFY THIS TO BE AN ACCUSOUTPATIENT CLERKSHIP EXPERIENT	N

Case Based Interactive Learning Scenarios
Academic Year 2005-2006 (Class of 2007)
Round #8 (8 May 2006 – 16 June 2006)

Date	Time	Location	Торіс	Speaker
8 May	0800	A2011	Clerkship Orientation	Dr. Pelzner
	0900	A2011	Pediatric Physical Exam	Dr. Pelzner
	1100	NNMC	NNMC Orientation	Dr. Pelzner
	1400	WRAMC	WRAMC Orientation	Dr. Pelzner
11 May	0745	Lect Rm C	Grand Rounds	Dr. DiGeronimo
	1100	A2041	Neonatal Resuscitation	Dr. Moores
	1200	A2041	Neonatal Resuscitation	Dr. Moores
	1300	A2011	Early Intervention in the DoD	Dr. Hanson
	1400	A2011	Fluids and Electrolytes**	Dr. Hurley
	1500	A2011	Adolescent Interview	Dr. Zawadsky
18 May	1200	A2011	The Pediatric Interview	Dr. Hanson
	1300	A2011	Anticipatory Guidance	Dr. Hanson
	1400	A2011	Bruising in Children	Dr. Crouch
	1500	A2011	Practical Pediatric Pharmacology**	Dr. Katona
25 May	0745	Lect Rm C	Grand Rounds	Dr. Portman
	1200	A2011	Otitis Media	Dr. Pelzner
	1300	A2011	Pediatric Infectious Disease	Dr. Muench
	1400	A2011	Pediatric Infectious Disease	Dr. Muench
	1500	A2011	Pediatric Cardiology	Dr. Burklow
1 Jun	1200	A2011	Non-accidental Trauma	Dr. Kahn
	1300	A2011	Neglect	Dr. Kahn
	1400	A2011	Pediatric Nutrition	Kathy Camp, MS, RD, CSP
	1500	A2011	Infant Feeding	Kathy Camp, MS, RD, CSP
8 Jun	1200	A2011	Evidence-Based Medicine**	Drs. Randall and Hooper
	1300	A2011	Immunizations	Dr. Zajdowicz
	1400	A2011		
	1500	A2011	Ethics and Professionalism**	Dr. Hanson



Case-Based Interactive Learning Scenarios GRufsaay p.m. 1200-1600

- Except 1st week, starts at 1100
- ** MEANS READ BEFORE SESSION!
- Schedule available at
 - http://www.pedsedu.com/national_capital_area.htm
 - CBILS Schedule Round 8



Performance Evaluation (p.13)

Clinical Performance

60%

- Outpatient 30%
- Ward 20%
- Nursery 10%
- ◆ NBME Pediatric Subject Exam25%
- ◆ CLIPP Quiz 5%
- Medical Communication
 - Comprehensive Written Presentation 5%
 - Concise Oral Presentation <u>5%</u>

100%



Clinical Performance (p.13)

- ◆ Feedback Forms
 - Inpatient (blue sheet w/picture)
 - Outpatient (blue cards)
 - Electronic versions available online
- This formula is a straight percentage, not a curve
- "PRIME" framework for student progress used



PRIME Framework (p. 5)

- **◆ PROFESSIONALISM**
- ◆ REPORTER: (THE "WHAT")
- ◆ INTERPRETER: (THE "WHY")
- **► MANAGER: (THE "HOW")**
- ◆ EDUCATOR: (THE "WHO")



USUHS Pediatric Clerkship Outpatient Evaluation

Student	Preceptor	Date
Areas of Strength	PRIME	Areas for Improvement
	Professionalism Interpersonal skills Responsible/Reiiable Approach to children/adolescents	
	Reporter Focused history and physical Pertinent positives/negatives Prioritizes data Data presentation (written/oral)	
	Interpreter Develops problem list Synthesizes differential Interprets labe/studies	
	Manager Develops diagnostic plan Develops therapeutic plan Partners with patient-parent	
	<u>E</u> ducator Independent learner Mentors peers/colleagues Informs patient-parents	

Please include comments regarding student's performance in each PRIME Category.

Unacceptable	Needs Impr	ovement	Acceptable	Above A	verage	Outstanding
1	2	3	4	5	6	7



NBME Subject Examination (p.13)

- This is a standardized test taken by thousands of students across the United States who are at equivalent cycles in training
- The curve at USUHS matches the normal curve of the remainder of US students
- Every student must perform at or above the 10th percentile nationally in order to pass



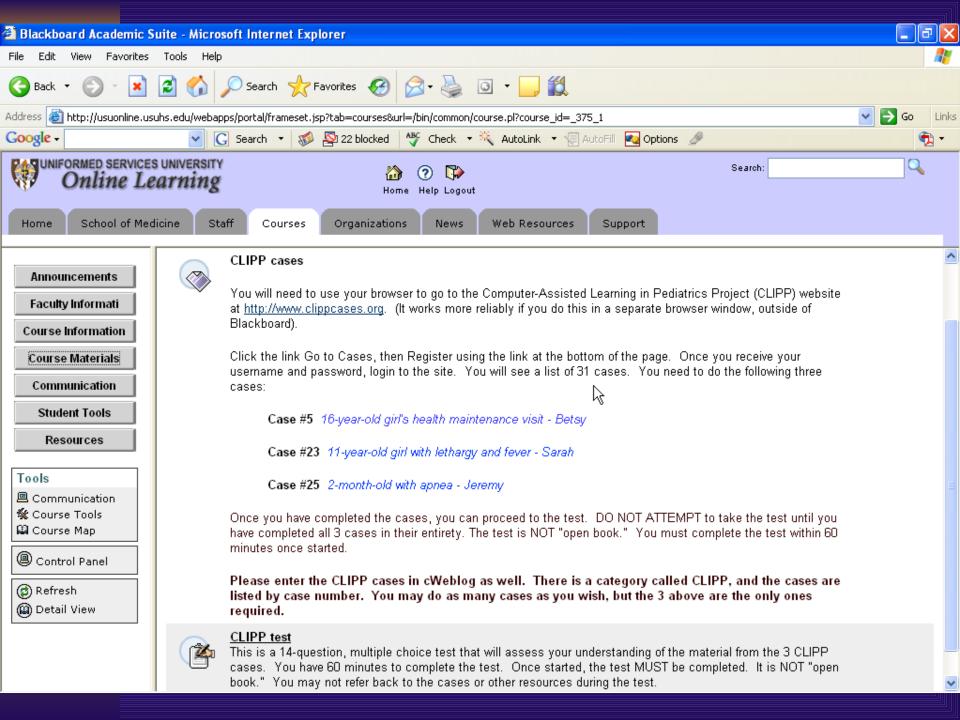
USUHS DEPARTMENT OF PEDIATRICS INPATIENT STUDENT EVALUATION - AY 2006-2007

STUDENT: NO STUDENT PHOTO AVAILABLE					
EVALUATOR:					
ROTATION:	Ward □ Nursery □	Clinic BLOCK:			
UNACCEPTABLE	NEEDS IMPROVEMENT	ACCEPTABLE	ABOVE AVERAGE	OUTSTANDING	
RELIABILITY/COM	MITMENT			PROFESSIONALISM	
Unemplained absences, unreliable	Often unprepared, appears lackadainical in approach to education and patient care	Devotes the time and energy required for aducation and patient care, fulfills responsibility	High degree of dedication to education and patient care, seeks responsibility sometimes beyond assigned tasks	Umusual dedication to education and patient care, actively seeks responsibility beyond assigned tasks	
INTERPERSONAL R	ELATIONSHIPS - TEAN	1			
Negative interactions with other members of the health care team	Does not participate as a member of the health care team	Fulfills basic responsibilities as a member of the health care team	Makes important contributions as a member of the health care team	Participates as an involved and enthusiastic member of the health care team	
Professionalism Comments:	•	•	•	•	
HISTORY TAKING				REPORTING	
Inaccurate, major omissions, inappropriate, psychosocial component entirely missing	Incomplete or unfocused, relevant data missing, psychosocial component entirely missing	Obtains basic history, accurate, obtains most of the relevant data and most of the psychosocial components	Precise, detailed, broad- based, obtains most of the relevant data and most of the psychosocial components	Resourceful, efficient, appreciates subtleties, insightful, obtains all relevant data including psychosocial components	
PHYSICAL EXAMINA	ATION SKILL				
Unreliable	Incomplete or inaccurate	Major findings identified	Organized, focused, relevant	Elicits subtle findings	
WRITTEN H&P, PRO	OGRESS NOTES				
Inaccurate data or major omissions, notes not done consistently	Poor flow, omits relevant data, incomplete problem list	Accurate, complete	Documents key information, focused, organized	Concise, reflects thorough understanding of disease process and patient situation	
ORAL PRESENTATION	ONS				
Consistently ill-prepared	Unfocused, includes irrelevant facts	Maintains format, includes all basic information	Complete, flows smoothly	Comprehensive, poised	
Reporting Comments:					



CLIPP Cases & Quiz (p.12-13)

- CLIPP = Interactive, web-based, casebased learning scenarios
- Can be done at any time during the clerkship
 - Start at USUHS Blackboard Website http://usuonline.usuhs.edu
 - Enter CLIPP Quiz Section
 - Complete assigned CLIPP cases
 - (Registration Instructions p.9)
 - Complete Quiz <u>AFTER</u> completion of cases
 - 5% of grade
 - Will have dedicated time for this exercise on SPE day at SimCenter



CLIPP

COMPUTER-ASSISTED LEARNING IN PEDIATRICS PROJECT

WWW.CLIPPCASES.ORG

Welcome!

Go to Cases

About CLIPP

Demo a Case

Using CLIPP In a Clerkship

> Instructors' Area

> > Support

The Computer-assisted Learning in Pediatrics Project (CLIPP) is a comprehensive Internet-based learning program for use by third-year medical students during their pediatric clerkship. CLIPP's 31 interactive cases are designed to cover all of the core content of the curriculum of the Council on Medical Student Education in Pediatrics (COMSEP). The CLIPP cases have been widely accepted by Pediatric Educators, with use in more than 50 medical schools in the U.S. and Canada, and more than 100,000 case sessions completed by students.



CLIPP is designed to supplement traditional clerkship teaching and patient care activities. It provides medical students and clerkship directors access to peer-reviewed learning materials that provide a solid foundation in pediatric medical knowledge appropriate to the level of the third-year student.

It is expected that each CLIPP case will take a student approximately 45 minutes to complete, so that students may work through the full learning program over the course of an average six-week clerkship. Link to see a static list of the cases.

Beginning in 2005, nine new cases will become available. These are extended CLIPP scenarios — eCLIPPs — cases, designed to teach how to approach issues of culture,



CLIPP

Welcome to CLIPP

Login:

Password:

Edit user data

Your computer is optimized for the use of CASUS.

→ Login

Forgot your password? Please go to

→ Get new password

You just want to have a look?

Then please click on "Guest".

→ Guest

You are a new user?

Please click here to register.

→ register

→ more about Casus → Contact ? Help

News

- New release! 5.0.0b0
- We recommend Netscape 4.x or Internet Explorer 5.x and higher!

Browser check

- Internet Explorer 6.0
- Cookies are accepted by your browser!
- Quicktime is installed on your computer.

Problems?

Please read the FAQ page, before sending a support request.

If you have any problems, please go to the following form: Support-Request



🎒 http://clipp.instruct.de - Userdata - Microsoft Internet Explorer



CASUS®

	→ Cancel ? Help
Userdata	
Email	
First name	
Last name	
User level	3rd year ▼
Please use your Un separate emails!	iversity email address. Please check your email to receive your login and password in 2
	→ Ok



Medical Communication (p.11-12)

- Comprehensive Inpatient Presentation (H&P)
 - The student is expected to complete a write-up of an *INPATIENT*, to include a history, physical, assessment, and plan.
 - Feedback form in right side of Student Handbook
 - Plagiarism will not be tolerated!



USUHS Pediatric Clerkship Comprehensive H & P Feedback Form

otuden	ti	Evaluator
	lowing items are provided as a checklist when grading the pace provided on the right or on the write-up itself.	student's written write-up. Please give feedback either
ID & CC	Succinct (in patient's own words, if possible) ID(age, sex, underlying conditions) Informant and reliability addressed	
ны	Delineates pertinent signs and symptoms in chronological order, using days PTA. Includes pertinent past history, therapies Complete pertinent positives & negatives Uses appropriate medical terminology Sentences are clear and concise	
P M H X	Includes hosps, surg., illnesses, meds/allergies Neonatal, diet, and developmental history as appropriate for age (to include Denver II) Includes immunization status	
F H X	Includes pertinent diseases/diagnoses in extended family Identifies health status of parents, siblings Notes family strengths	
SOC HX	Includes child's current living arrangement and caretakers Addresses school performance HEADDS interview, if adolescent	
ROS	Addresses all relevant major systems Contains only issues <u>no</u> t pertinent to HPI	
PE	Vital signs present Growth measures, %, and curve (Ht, Wt, HC) General descript. provided w/o stock phrases All systems included in appropriate detail Complete pertinent positives and negatives	
LAB	Includes pertinent normal results Identifies significant abnormal results	
IMP & P L A N	Problem list, with problems logically grouped and prioritized Differential diagnoses, addressing all problems Develops organized Dx and Rx approach for each problem Addresses patient education when appropriate Brief hospital course to date	
D I S C	Discussion of patient's problems: uses the literature to answer clinical question(s) regarding patient's problems Reference list (should include at least 3 relevant, current articles)	



Medical Communication (p.11-12)

Concise Oral Presentation

- The student will concisely present an OUTPATIENT (not a health maintenance visit) in SOAP format in less than 10 minutes
- Feedback form in right side of Student Handbook



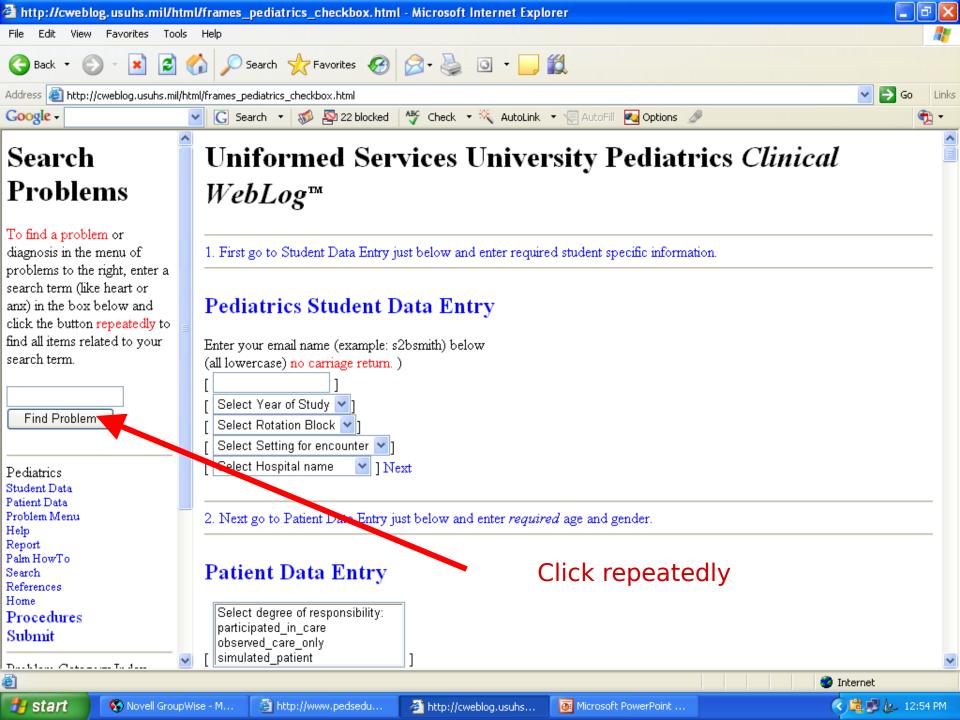
USUHS Pediatric Clerkship Oral Presentation Outline and Grading Form

stua	ent:		Date:	
Eval	nator:			
of th orese	collowing items are provided as a checklist when gree Subjective and Objective sections should including nation should take less than 10 minutes. Please ges provided below. Keep original in student's fold	e focu give fe	used and relevant information, and the entire	
cc s	Age of patient Reason for Visit (in patient's own words) Length problem/illness/concern History of Present Illness Chronology of events Pertinent positives/negatives	0	Vital signs Growth parameters General statement of appearance Directed physical exam with pertinent positives/negatives Labs (if relevant)	
	Review of systems Past Medical History Significant illnesses/ hospitalizations Chronic medical conditions Surgical history Medications Allergies Immunizations Family History Social History	A	Radiology studies (if relevant) Assessment/summary Problem list (if relevant) Differential diagnosis Most likely/probable diagnosis	
		P	Diagnostic evaluation Therapeutic intervention Patient education/instructions Follow-up plan	
	If Relevant to chief complaint: Perinatal history Developmental history Educational performance Travel history Dietary history Environmental/human/animal exposures Injuries	Note	es:	
Oral Presentation Delivery (Eye contact, clarity of speech, pace of presentation, use of appropriate medical terms, dependency on notes)				
Feed	back and student response:		GRADE:	



Clinical Weblog TM (p.14-15)

- http://cweblog.usuhs.mil
- Required patient log entry
 - Participate
 - Observe Care
 - Procedures
- Use "Search Problems"
 - Click <Find Problem> repeatedly
 - Email Dr. Pelzner if having problems
- Failure to complete is an issue of professionalism/attention to administrative requirements





Pediatric Clerkship Evaluation (p.16)

- You give us feedback!
- Online Evaluation
 - Will send out reminder email in week 5 with link
 - http://cim.usuhs.mil/oea/sai.htm
 - Required for a grade! (Dean's Policy)
 - Anonymous (tracks email alone)
 - Suspense (1 week after completion)



How Do I Succeed?

- **♦** Attitude
 - Be Enthusiastic
 - Be Inquisitive
 - Be Teachable
 - Challenge those who teach you
- Take advantage of every learning opportunity
- Study



Study Guides



Pediatrics

ADAM BROCHERT, MD

Blueprints
Clinical Cases in Pediatrics

CASE FILES
PEDIATRICS





Paul II. Danskie

REVIEW

PEDIATRICS

Sara Visiomer

- Most thoroughly Q & A review of pediatrics for shall exams and the USMLE Step 2
- 1000+ exam type questions with fully explained answers
- · Comprehensive practice test included

FIRST AID FOR THE

PEDIATRICS clerkship

A STUDENT TO STUDENT GUIDE

Field-tested strategies for clerkship success

High-yield facts & student-to-student exam tips

Directory of scholarships and awards

List of externships to help you match

LATHA STEAD • S. MATTHEW STEAD MATTHEW S. KAUFMAN

William W. Hay, Jr. Myron J. Levin Judith M. Sondheimer Robin R. Deterding

Diagnosis & Treatment

seventeenth orklon



Professionalism in Medicine (p.17)

- Behaviors of a Professional
 - Honor and Integrity and Respect
 - Altruism
 - Caring, Compassion & Communication
 - Responsibility & Accountability
 - Excellence, Scholarship, and Leadership
 - Functioning under stress
- USUHS clinical science courses evaluate cognitive and non-cognitive performance
- Student Handbook page 17 outlines minimum expectations and examples of nonprofessional behaviors



USUHS Points of Contact

Clerkship Program Director
Third-Year Clerkship

Administrative Contact

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mil Mrs-Carol 295-0528, Room Beadling cabeadling@usuh

s.mil

295-9730, Room

C1069



Education Section

Jeffrey L. Longacre, MD COL, MC, USA **Director of Pediatric Education** <u>jlongacre@usuhs.mil</u>

Virginia Randal 295-973 leter Zawadsky, MD **MD** COL, MC, USA (Ret)

COL, MC, USA (Ret.) **Adolescent and ID** pzawadsky@usuhs. mil295-6168

Director Janice Hanson, PhD vrandall@ustidenstein Specialist jhanson@usuhs.mil 295-9726

295-9733

NCA Site



Guest Faculty

Stephen Roberts, **MD** MAJ, MC, USA **Pediatric** Hematology & Joseph Lappeiato, CAPT, MC, USN Chief, Simulation Anne Zagretek, M.D., Pharm.D. Pediatric Medical Officer Obstetric & Pediatric **Pharmacology Branch** National Institutes of



More Osler Quotes "Live neither in the past nor in

"Live neither in the past nor in the future, but let each day's work absorb your entire engreighted and satisfy white while to same while to study medicine only from books is not to go to sea at all.

Medicine is learned by the "Thedside and pot in the of medicine is to be learned only by experience; 'tis not an inheritance; it cannot be revealed."





MAJOR WALTER REED, 1851-1902

